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(54) CELL CULTURE CARRIER AND METHOD FOR CULTURING CELL USING THE SAME CARRIER

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a cell culture carrier, to provide a method for culturing a cell utilizing the cell culture carrier, to obtain a cell cultured product by the method for culturing, to provide a method for laminating cell layers utilizing the cell cultured product and to obtain laminated cell layers by the method for laminating the cell layers.

SOLUTION: The cell culture carrier is characterized as comprising a porous membrane and an alginic acid gel layer laminated onto the porous membrane. Thereby, the lamination of the cell layers can readily be carried out.

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CLAIMS DETAILED DESCRIPTION TECHNICAL FIELD PRIOR ART EFFECT OF THE
INVENTION TECHNICAL PROBLEM MEANS EXAMPLE DESCRIPTION OF DRAWINGS
DRAWINGS

[Translation done.]

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1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] Cell culture support characterized by including the alginic-acid gel layer stratified on the porous membrane and this porous membrane.

[Claim 2] Cell culture support according to claim 1 characterized by the aforementioned alginic-acid gel being calcium-alginate gel.

[Claim 3] Cell culture support according to claim 1 or 2 characterized by including further the matrix component gel layer outside a cell stratified on the aforementioned alginic-acid gel layer, or the matrix component sponge layer outside a cell.

[Claim 4] Cell culture support according to claim 1 to 3 characterized by the aforementioned matrix component outside a cell being a collagen.

[Claim 5] The cultivation method of a cell characterized by cultivating a cell using cell culture support according to claim 1 to 4.

[Claim 6] The cell culture object which is a cell culture object obtained by the cultivation method according to claim 5, and contains the stratum compactum held at cell culture support according to claim 1 to 4 and this cell culture support.

[Claim 7] The cell culture object obtained by carrying out solubilization processing of the alginic-acid gel layer of a cell culture object according to claim 6.

[Claim 8] The stratification method of the stratum compactum characterized by using a cell culture object according to claim 7.

[Claim 9] Stratified stratum compactum obtained by the stratification method according to claim 8.

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